



Marine & Offshore

Certificate number: 50151/A0 BV

File number: MAT 101429-2017

Product code: 9013I

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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APPROVAL CERTIFICATE for MATERIALS

This certificate is issued to

JINDAL STAINLESS LIMITED
JAJPUR - INDIA

for the type of product

STAINLESS STEEL ROLLED PRODUCTS

Hot rolled plates in stainless steel grade 201LN, 304/304L and 316/316L.

Requirements:

Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 06 Nov 2022

For Bureau Veritas Marine & Offshore,
At BV MUMBAI (BOMBAY), on 06 Nov 2017,
Rajan VARDHAN



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Hot rolled plates

Steel grades	Delivery condition	Maximum thickness
201LN (ASTM A240)	Solution annealing and pickling	up to 30mm
304/304L (ASTM A240)	Solution annealing and pickling	up to 45mm
316/316L (ASTM A240)	Solution annealing and pickling	up to 45mm

Steelmaking by Electric Arc Furnace , AOD Converter and Ladle Furnace. Continuous Casting. Plates are hot rolled, annealed and pickled.

2. DOCUMENTS AND DRAWINGS :

As per following documents issued by Jindal Stainless Limited:

- "Preliminary information as per NR480 Sec.1 Rev.00" dated 20 July 2017.
- "Specific information as per NR480 Sec.2 rev.00" dated 05 September 2017.
- Manufacturing process & slab related details submitted 16 October 2017.
- Sampling and test plan dated 07 August 2017.
- WPS N° Weld-1 Rev.0 and supporting PQR N° Weld-1-P Rev.0 dated 10 November 2014.
- WPS N° WELD05 Rev.0 and supporting PQR N° WELD05 Rev.0 dated 18 March 2015.

3. TEST REPORTS :

As per following documents issued by Jindal Stainless Limited:

- Mill test certificate N° 12055510 dated 30 March 2012 for plate 12.7mm Heat 1204213.
- Mill test certificate N°JSL-JRD/QA/2014-15/TPI/Inox India Ltd dated 21 November 2014 for plate 17mm Heat 2140193 and 21407944.
- Welded coupon 17mm tests results dated 03April 2015 and Welding records dated 28 March 2015.
- Test report for BV Marine certification document dated 15 September 2017.
- Test report for grade 316L (45mm) and 201LN (30mm)dated 26 October 2017.

4. APPLICATION / LIMITATION :

As per Bureau Veritas Rules for Classification.

5. PRODUCTION SURVEY REQUIREMENTS :

The steel plates are to be supplied by Jindal Stainless Limited in compliance with the type and the requirements described in this certificate. This type of product is within the category IBV of Bureau Veritas Rule Note NR320. BV product certificate is required.

6. MARKING OF PRODUCT :

As per Bureau Veritas Rules for Classification.

7. OTHERS :

Nil.

*** END OF CERTIFICATE ***